



# Allen County HamNews

Fort Wayne Radio Club    Fort Wayne DX Association

Allen County Amateur Radio Technical Society

April 2017  
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Issue 4

## PARROTT ROAD REPEATER PROJECT STATUS

The Parrott Road project, the relocation of the 146.34/.94 repeater, formally located at Parkview Hospital/Randallia, and of the 442.99375/449.99375 D-STAR system, formally located at the Freemasons Hall downtown, has been accomplished with their installation and commissioning at the WLDE-FM-101.7 transmitter site facilities, about a mile east of Maplecrest on Parrott Rd, between Ft. Wayne and New Haven. (Check it out on Google Maps at UTM 41.076470, -85.045255, Earth view, high resolution).

The 146.34/.94 system is a Yaesu Fusion machine which can operate in either the analog FM mode or in the C4FM-CDMA (digital) mode. It automatically switches between modes depending upon which type of modulation it sees on its input. At present, it is pushing about 10 watts into the feedline to a four-bay folded dipole array located at about 300' on the west leg of the WLDE tower. Plans are afoot to add a PA that will bring the power level up to about 100 watts. We are not yet satisfied with the performance of the duplexer and need to do a little tweaking on it to optimize its performance. All other operating aspects of the system, including voice announcement, are the same as they were when it was located at Parkview.

The D-STAR system is identical to the system that was located at the Freemasons Hall in downtown Ft. Wayne except that the antenna is now a four-bay folded dipole array located at about 310' on the west leg of the WLDE tower. It seems to be working fine and we are pleased at the expanded footprint it is exhibiting relative to what it had when located at the Freemasons Hall.

The VHF and UHF four-bay folded dipole arrays are shown in the picture included in this article, directly below the WLDE FM-101.7 broadcast antenna array.

A few more tasks need to be completed at the Parrott Rd. site to include integrating the systems and their enclosure grounds into the WLDE site ground system. The tower climbers will also need to modify the coaxial cable strain relief implementation, and details of the UHF coax attachments near the UHF antenna to satisfy the requirements of WLDE's Chief Engineer. That will require another sojourn of the tower climbers up the tower to accomplish.

We don't know how close to an Omni pattern we obtained with this project. When the time allows, we plan to in-

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Allen County HamNews is a monthly joint publication of the Fort Wayne Radio Club (P.O. Box 15127, Fort Wayne, IN 46885), the Allen County Amateur Radio Technical Society (P.O. Box 10342, Fort Wayne, IN 46851), and the Fort Wayne DX Association.

Please send any articles, classified ads, or other information to the editor, Ken Helms, AB9ZD, at **AB9ZD (at)ARRL.NET**. Please put "For Newsletter" in the subject line. Most text and graphics formats are acceptable. Microsoft Word and JPEG are preferred if separate files are used. For those without computer access, please mail your submission to either of the clubs post office boxes.

The deadline for the each issue is a few days before the end of the preceding month.

### Internet Home Pages

Fort Wayne Radio Club:	<a href="http://www.FWRC.info/">http://www.FWRC.info/</a>
ACARTS:	<a href="http://groups.yahoo.com/group/FWRC/">http://groups.yahoo.com/group/FWRC/</a>
Fort Wayne DX Association:	<a href="http://www.qsl.net/fwdfa/">http://www.qsl.net/fwdfa/</a>
ARES:	<a href="http://groups.yahoo.com/group/Allen_Co_IN_ARES/">http://groups.yahoo.com/group/Allen_Co_IN_ARES/</a>
IN_PACKET Yahoo Group:	<a href="http://groups.yahoo.com/group/IN_PACKET/">http://groups.yahoo.com/group/IN_PACKET/</a>

# Hamsplatter

Fort Wayne Radio Club

P.O. Box 15127, Fort Wayne, IN

## Parrott Rd. Project - Continued from Page 1

strument a vehicle that we can utilize to measure field strengths as a function of azimuth and distance from the Parrott Rd. site to plot the actual VHF and UHF antennas patterns.

This project involved a significant amount of effort on the part of local hams in its planning and execution, not to mention the effort involved in fund raising. We think you will agree that it was worth the effort.

A considerable number of pictures were taken to document the project dur-

ing its execution. A significant number of them are in the process of being posted on the FWRC.info web page for your edification and enjoyment.

Please enjoy both machines. And why not try your hands at the Fusion digital and the D-STAR modes. There capabilities are the latest thing in Amateur Radio and are fun to work with.

73's,

Al Burke, WB9SSE

## CHAMPIONSHIP RADIO FOXHUNTING NEWS

Announcing the Seventeenth USA National ARDF Championships

And Ninth IARU Region 2 ARDF Championships

Near Cincinnati, Ohio, July 31 - August 6, 2017

Registration is now open for this year's USA Championships of Amateur Radio Direction Finding. Members of the OH-KY-IN Amateur Radio Society are busy securing permits and making other plans for a full week of radio-orienteering fun. This year's USA Championships are being combined with the biennial championships of International Amateur Radio Union (IARU) Region 2 (North and South America). Radio-orienteers from all parts of the country plus visitors from abroad are expected to attend.

In the schedule are three optional practice days on July 31, August 1 and 2. The Foxoring and sprint competitions will be August 3 and 4, followed by the 2m and 80m classic competitions on the weekend of August 5 and 6. Awards will be presented at a banquet on Saturday night and at a luncheon on Sunday after the final competition.

The competitive courses will be open to anyone of any age, with or without an Amateur Radio license. Medals will be

April 21: FWRC spring banquet starting at 6:30.

awarded in six age categories for males and five for females, in accordance with rules of the International Amateur Radio Union. Winners of these championships will be under consideration for membership in ARDF Team USA, which will travel to Korea for the 19th ARDF World Championships in September 2018. A maximum of three competitors in each age-gender category may be on a nation's team.

OH-KY-IN ARC members organized the very successful USA ARDF Championships in 2003 and 2010. There are many excellent sites for ARDF in the Cincinnati area and new sites are being selected for the 2017 competitions.

[www.homingin.com/farsnews.html](http://www.homingin.com/farsnews.html)



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### Webmaster

Jay Farlow, W9LW

Unless otherwise scheduled, all meetings are held at 7:00 PM at the Good Shepherd United Methodist Church, 4700 Vance Avenue, Fort Wayne, IN.

## FORT WAYNE RADIO CLUB MEETING MINUTES

The March meeting of the Ft. Wayne Radio Club was held at the Good Shepherd United Methodist Church (GSUMC) on 17 March, 2017 and was hosted by club president Charles Ward, KC9MUT. There were about 40 people in attendance. After reciting the Pledge of Allegiance, everyone present introduced themselves via their call sign.

President Ward announced that the club Spring Banquet would occur on 21 April starting at 7:00 pm. The club will provide chicken, coffee, punch, plates, cutlery and cups as usual, and the meal will be supplemented by what-ever succulent goodies everyone brings-in. (Following the lead of Hiram Maxim, when he hosted such banquets during the early days of the ARRL, meat-balls and/or deviled eggs are always a good choice of an item to bring in. Just saying.)

Treasurer Bob Streeter (W8ST) provided the status of the treasury as of 17 March, 2017. The numbers were:

Income year to date - \$3,085.48  
Expenses year to date - \$3,351.40  
Cash on Hand - \$110.18  
Checking - \$5,188.49  
Savings - \$7,822.53

Additionally, \$7,138.80 has been raised for the Parrott Rd. project, with \$5,915.70 having been expended so far towards its expenses. This total does not account for the tower climber expense. We have just received the invoice for the tower climber firm in the amount of \$2,650.00. If this is the last of the expenses then the total for

the Parrott Rd. project would come in at \$8,589.80. By virtue of a vote taken at the January club meeting \$8,500.00 was approved for the project, so it appears we have exceeded that allocation by \$89.80. In order to get on with the project and to pay the climber bill the club voted to increase the project allocation an additional \$200.00 which caps it at \$8,700.00.

Al Burke (WB9SSE) provided a Power Point presentation of photos taken at various stages of the project to date including the installation of the antennas and feedlines on the tower. He reported that the antennas are exhibiting very low reflected power which translates to a low VSWR. If the weather will cooperate we plan to install the Fusion and D-STAR systems in the enclosure tomorrow, 19 March, and place both 146.94 and D-STAR in service.

Al also reported that I&M has removed almost all of their equipment from the building they are donating for our use at Robison Park for the 146.76, 444.875, 147.255 and 144.390 (digipeater) systems. After removal of a generator transfer switch this coming Tuesday, 21 March, they should then be in a position to turn the building over to us. It is not clear what the transfer will involve. We do know that some form of agreement is being prepared by their legal department, probably something along the lines of the lease agreement we signed up for with Sarkes-Tarzian for the Parrott Rd. site. We would prefer that the agreement does not transfer ownership of the building to the FWRC

because that could involve our owning property that then implies real-estate tax and potential insurance requirements.

Dan Ward (N9WLW) the Noble County EM Coordinator announced that he is looking for volunteers to support the Indiana Trail 100 Race that will occur 29-30 April at Chain-O-Lakes State Park in Albion. If you can help contact Dan at:

n9wlw@yahoo.com  
(260)-402-7561

Joseph Lawrence (KB9RFZ) announced that the next ACARTS meeting will occur this coming Tuesday at the Red Cross building starting at 7:00 pm. It will feature a representative from the Civil Air Patrol who will discuss the techniques used by the CAP to locate downed aircraft; what the CAP does and some of the experiences they have had during actual missions.

Following the business meeting, and after a break for cookies and beverages, Steve Nardin (W9SAN) presented a video chronicling construction of the WLDE tower at the Parrott Rd. site (where the Fusion and D-STAR systems are now located), plus a documentary about a group of hams searching in the Mojave desert for the remains of a pair of China Lake F-4 Phantoms that crashed during a training flight in 1972.

The meeting adjourned about 9:00 pm.

Respectfully submitted,  
Al Burke, WB9SSE  
Secretary, Fort Wayne Radio Club



The FWRC members had a great time at the Toledo Hamfest on Sunday 3/19/2017 as seen in this photo from Tom - KU8T.

# State of the Arts

Allen County Amateur Radio Technical Society

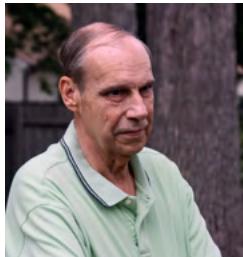
P.O. Box 10342, Fort Wayne, IN

## ACARTS PRESIDENT's MESSAGE

Spring has officially arrived and that means spring activities for ACARTS. The Spring Banquet is this month and ACARTS is sponsoring a VHF/UHF Simplex contest.

The contest will be held on Saturday, April 8th, from 7:00 p.m. to 10:00 p.m., and is open to all amateurs. It is a good opportunity to test your FM simplex capabilities and introduce simplex operation to the newer hams. There are several categories and the number of townships worked is a multiplier. This gives everybody a chance to participate in one way or another. The contest rules, a township map of northeastern Indiana, and a log form are available from the club website, [www.acarts.com](http://www.acarts.com) and also from the Fort Wayne Radio Club website, [www.fwrc.info](http://www.fwrc.info). Plan on joining us for an evening of fun, even if it is just to make a few contacts to give someone else some points.

*The Spring Banquet will be held at 7:00 p.m. on Tuesday, April 18th, again at Hall's Guesthouse on Washington Center Road.* Please plan on joining us for an evening of good food and conversation. The club will pay for a portion of the members' meals while guests, which are highly encouraged to attend, will have to pay for their own dinner. Reservations are required so that we can tell the Guesthouse how many people to plan for. Please contact me by Monday, April 17th, at [w9lkh@comcast.net](mailto:w9lkh@comcast.net) or 260-485-6135 to let me know that you plan to attend and how many guests you are bringing. I'll see you there.



Many thanks to Lt. Tony Vining, KD1MTI, of the Civil Air Patrol for his great presentation at the March meeting on the Civil Air Patrol resources and the demonstration of radio direction finding equipment used for locating downed aircraft. His presentation was enjoyed by everyone present.

The May meeting on May 16th, will be a presentation by Mark Tritch, KC9GUY, on the new GOES-16 weather satellite. Mark has worked on the Advanced Baseline Imager (ABI) program from its proposal phase through spacecraft test and launch over the past 15 years. GOES-16, the first of a new series of weather satellites for the United States, was launched in December 2016 carrying the ABI into geostationary orbit and is currently performing post-launch checkout tests. Mark will share details of the ABI capabilities, its performance to date with recent imagery, and how it will improve the quality of weather forecasting for the next two decades. Thanks to Joseph, K9RFZ, for making the arrangements.

As you can see from the topic of the March meeting and the upcoming May meeting, ACARTS is doing exciting things this year. ACARTS is working on several other interesting meetings for the rest of the year. Plan on attending the ACARTS meetings. You won't be disappointed.

73,

Dave Lindquist, W9LKH

President



**April 18:** The ACARTS Spring Banquet will be held at Don Hall's Guesthouse starting at 7 PM.

Unless otherwise scheduled, all General meetings are held at 7:00 PM at the Red Cross Center, 1212 E California Rd, Fort Wayne, IN. Board meetings are held at the Salvation Army Facility.

## ACARTS Officers

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## ACARTS MARCH 2017 BOARD MEETING MINUTES

Meeting was called to order by Dave, W9LKH.

Up coming events:

1. Next Tuesday March 21, 2017 we will have our general meeting at the Red Cross. We will be hearing about Civil Air Patrol.
2. Tuesday, April 18, 2017 is our Spring Banquet.
3. Wednesday April 19, 2017 the IEEE EMC society is having a program on Man-Made Noise and the impact to radio communications-the changing environment. For more information please go to <http://www.central.arrl.org/ieee/>

Joseph, K9RFZ talked with the Red

Cross to work out the details for refreshments when we meet there for our General Meeting.

There are four new hams that we will be sending invitations to come to the General Meeting.

Simplex VHS contest. It is time to get the word out.

We have the opportunity for Mark Tritch, KC9GUY to come to our meeting in May and give a presentation on Geo16 Satellite.

Dave, W9LKH received a letter from DX Engineering to have a presentation via Skype to discuss a verity of topics such as DX Engineering, Contesting and Contest

University. It was decided to have them come during our Hamfest in November.

Jim, KB9IH gave a report about the Hamfest steering committee. Having difficulties with his computer he has not held a meeting with the committee.

Meeting was adjourned at 8:50 PM. Motion to adjourn was made by Joseph, K9RFZ and seconded by Bob, N9PWM.

Respectfully submitted by TJ, W9QHY secretary.

**NOTE:** At this time, the board meetings will still be held at the Salvation Army Center, 2901 N. Clinton Street, Fort Wayne, IN at 7:00 PM.

## ACARTS MARCH 2017 GENERAL MEETING MINUTES

Meeting was called to order by Dave, W9LKH at 7:00PM.

Tonight's meeting is on Civil Air Patrol – RDF for Downed Aircraft. Our guest speaker is Tony Vining KD1MTI.

We have one new ham who came to our meeting through the club letter we sent out this past month. Welcome Bill, KD9HWH. All newly licensed hams who receive this letter and attend the general club meeting receive one year of free membership in ACARTS.

Next month we will be having our Simplex VHF contest. The date of the event is Saturday, April 8, 2017 from 7:00 PM to 10:00PM EDT. This contest is open to all radio amateurs. The rules for this event are as follows.

1. Only mode allowed is FM phone simplex on the 2 meter, 1.25 meter and 70 cm bands.
2. 2-meter Simplex is 146.40 – 146.595, 147.405 – 147.585, 15 kHz spacing.
3. 1.25-meter Simplex 223.40 – 223.52, 20 kHz spacing.
4. 70-cm Simplex 445.9125 – 446.175, 12.5 kHz spacing.
5. No contacts on calling frequencies. (146.52, 223.50, 446.00)
6. Teams are permitted, but only one transmitter is allowed to operate at any one time. No repeater con-

tacts, satellite, or EME, please stay on FM simplex frequencies. Stations can only be worked once per band. Rovers and portables can be worked again when they have moved to a different township.

7. No cross band, no split frequency contacts.
8. Pre-arranging contacts by use of repeaters, telephones, or otherwise is not allowed, nor in the spirit of the contest. Requesting a move to another band during a contact is allowed

Tuesday April 18, 2017 will be our annual Spring banquet. Dave, W9LKH will be taking reservations beginning in April.

Tony's presentation is a nonprofit government program. Originally it began during World War II to hunt for enemy submarines. It is a voluntary civilian organization. Totaling over 56 thousand people. They have over 2000 fixed land stations in the US. And 4500 mobile radios. The various aircraft are fixed wing and gliders. The aircraft is used in the counter drug program in conjunction with law enforcement. In tandem with aircraft there is also ground units to help.

Civil Air Patrol also works with high value targets, i.e. when the governor of the state was needed to be located. The mission is to monitor the boarders of the United States. They help with disasters

such as the hurricane Katrina, flood control and helping with most natural disasters. Geospace is used in conjunction with the Air Force. They are able to fly into restricted air space at a significant reduction in cost.

When there is a disaster in Indiana the CAP is used in coordination with the Air Force.

Six types of technology are used.

1. Radio direction finding
2. LH Series
3. LL Series Little L-Per (Cheeseblock)
4. Mark 3 VHF Handheld RDF
5. Handheld scanner and offset Attenuator
6. LA Series Aircraft mounted for search and rescue.

These units are used for identification and direction finding. This is used to find the beacon in an aircraft for pinpoint direction in downed aircraft. The Becker DF is easily tunable and can give cardinal directions. Help is needed by those who want to join and have communication equipment expertise.

Great appreciation was given to Terry for his presentation and the meeting was adjourned at 8:00 PM by Dave, W9LKH.

Respectfully submitted by TJ, W9QHY, secretary.



### Carl Luetzelschwab K9LA

**T**hat short call began an approximate 10 minute QSO between the Amateur Radio station on the International Space Station (Commander Shane Kimbrough KE5HOD at the mic) and students of Blair Pointe Upper Elementary School in Peru, IN (Bill McAlpin WD9GIU at the mic). This QSO occurred on March 9, and as the Central Division Vice Director I traveled to Peru to participate in this event.

This was held in the Peru High School auditorium, but it did not involve the high school students. The auditorium was used as it was big enough to hold the approximately 650 third through sixth grade students from Blair Pointe. They were bussed in, and the program started at 9:30 AM.

The first order of business was introductions by the Principal and Assistant Principal of Blair Pointe. Next was a 2014 video of the ISS given by female astronaut Suni (pronounced sunny) Williams. You can view this video at <https://www.youtube.com/watch?v=bhGydrdbEA>.



2-Meter Station at the High School

## "WD9GIU FROM NA1SS"

After the video (which ended about 10 minutes before the ISS came into range), Bill WD9GIU showed the ISS tracking software, reviewed the progress of the ISS coming in from the northwest to make its pass to the southeast over Peru and gave a quick quiz about ISS basics (how fast it is traveling, how long does it take to get from Peru to Indy, how many orbits around Earth does it make each day and several others questions).



Students from Blair Pointe Elementary

Pretty much right on schedule the ISS called Bill (the title of this month's column), and contact was established. Sixteen students had been selected previously to ask Commander Kimbrough questions. Each student asked their question, followed by "over" (they were well-instructed in basic radio procedure by Bill). Commander Kimbrough got through the initial sixteen questions in less than 10 minutes (to reiterate, the duration of the pass), so the students had an opportunity to ask their second question. All but three of the students were able to ask their second question prior to LOS (loss of signal).

The station in the high school was set up on a table on the auditorium stage. The 2-Meter rig drove a 160 Watt amplifier. The antenna system consisted of a single 2-Meter Yagi that automatically tracked the ISS as it made its pass. It was temporarily installed on the roof of the high school right above the auditorium, with the



Bill WD9GIU Making Initial Contact with the ISS

coax and rotator cables coming straight down to the rig.

Although the main event (the QSO) lasted only 10 minutes, many man-hours were expended to get ready for it. Bill WD9GIU was the lead for pulling this together, and he and his crew (they're members of the Miami County ARC) did a great job. By the way, this was Bill's second ISS QSO – the first was in August 2015 at the Maconaquah Elementary School near the Grissom Air Reserve Base (the old Bunker Hill AFB).



Students Asking Questions of Commander Kimbrough



# "IT'S ALL ABOUT THE UPDRAFT"

By Jay Farlow, W9LW, net manager,  
Allen County SKYWARN

The title of this column is one of the main points of a presentation I heard at the DuPage County (Ill.) Severe Weather Seminar March 11. College of DuPage meteorology professor Paul Sirvatka reminded spotters that the key to spotting a tornado in a classic supercell is knowing where the updraft is. As Dr. Sirvatka put it, a tornado is a "big sucky thing" that forms under an updraft.

Unfortunately, updrafts are not always easy to find. Depending on your location, important storm features can be obscured, making spotting difficult. And the closer you get to a storm, the more difficult it becomes to identify the important features.

We learned in basic SKYWARN training that SCUD clouds (ragged, scary-looking but harmless clouds) should not be confused with wall clouds or funnel clouds. But Sirvatka pointed out that SCUD clouds can be helpful, if they appear to be moving up into the main storm. That upward motion can be an indication of an updraft.

Although the basic spotter class advises us to report wall clouds, Sirvatka is not a fan of this storm feature. He pointed out that while wall clouds can help us identify the location of an updraft, they:

- Might or might not be present in tornadic storms.



- Can be seen in any storm that has an updraft, even if that storm is non-tornadic (not rotating)
- Might or might not result in tornadoes.

Sirvatka therefore advises against reporting wall clouds, unless they contain strong, easily observable rotation. "If you're asking yourself if it's rotating, don't report it," he said.

A much more important feature is the development of a clear slot – a bright area where clouds are either absent or much thinner – alongside a wall cloud. A clear slot is a much more reliable precursor to a tornado. If you see one, be sure mention it along with your wall cloud report.

Sirvatka also talked about quasi-linear storm systems, which occur more frequently in northeastern Indiana than do classic supercells. He reminded spotters that in these systems, the updraft occurs ahead of the rain, rather than behind it.

The DuPage County Office of Homeland Security and Emergency Management, located in the western suburbs of Chicago, hosts this advanced severe weather seminar every year in March. It's well worth the 3.5-hour drive from Fort Wayne. If you'd like to know when next year's event will take place and you have a Facebook account, join the [seminar's Facebook group](#). If you don't have a Facebook account, bookmark the [seminar's web page](#) and start checking it around the first of the year.

## Characteristics of a Tornadic Wall Cloud

- Surface-based inflow
- Rapid vertical motion (scud-sucking)
- Persistent
- Persistent rotation
- The key, however, is the development of a clear slot



Prof. Paul Sirvatka

PSAS 215 Severe and Unusual Weather

## Special Event Stations This Month

### Apollo 16, 45th Anniversary

Apr 20-23 | 0000Z - 2359Z | NN4SA

<https://nn4sa.wordpress.com/>

### Earth Day 2017

Apr 22 | 1600Z-2200Z | N9E

[Clay City, IN 47841](#)

For a complete listing of special event stations, check the listing in QST and the ARRL web page:

[www.arrl.org/special-event-stations](http://www.arrl.org/special-event-stations)

# FOXHUNT CHRONICLES

Second fox hunt of the year, and a fairly decent Midwestern day for hunting.

The hunters this time around were:

Alex, Steve, and Linda

Charles and Fred

Don

The foxes were Jason (KC9UOQ) and Deborah (KK4QXC).

There are a lot of bridges in Fort Wayne, and I wanted to use one that not everyone is aware of: the old suspension bridge in Foster Park. There is no direct parking lot for this bridge, nor is it visible from the road.

I brought out a directional antenna, my tripod, and an extension to raise it up, but forgot my coupling, and was unable to mount the antenna. So, I ended up climbing the suspension bridge and wedging my antenna into the bridge structure, pointed in a general direction towards the starting point. It worked, and I was able to get a good signal to them using only 10 watts of power.

The micro was hidden underneath the cement steps leading up to Bluffton Rd, and camouflaged using some dirt and bark. It blended it well, as it took the hunters a little while once on location to find the micro.

First on the scene were Charles and Fred. Don (K9LI) was next, followed by Steve and Alex. All in all, an excellent day to hunt, and fun to do.

## 2017 FOXHUNT SCHEDULE

The following is the planned Foxhunt schedule for 2016. All foxhunts start at 1:30 PM on Sunday at the River Greenway Trailhead at Cobin Memorial Park near Lakeside Golf Course.

April 2	August 6
May 7	September 10
June 4	October 1
July 9	November 5

Here's to next month's hunt.

73,

Jason - KC9UOQ

Call	Score This Month	Year to Date
WB9RUS	0	0
WB9SSE	0	2
K9OMA	0	2
KA9YYI	0	0
KC9MUT	4	8.67
KC9EZP	3	7.67
W9SAN	1	2
W9LAN	1	2
Alex	1	2
KB9DOS	0	0
KB9DOT	0	0
AB9IZ	0	0
KC9UOQ	3.33	7.33
KK4QXC	3.33	6.33
KD9GDY	0	0
KD9GDX	0	0
K9LI	2	2

## SCOUTING'S WORLD JAMBOREE

### ON THE AIR

Scouting's World Jamboree on the Air/Jamboree on the Internet (JOTA-JOTI) Team has announced the theme for this fall's JOTA-JOTI event: "60 Years Connecting Scouts." The 2017 theme recognizes the event's beginnings in 1957 and commemorates its growth in participation and in the expanding communication channels activated this coming October. In addition to Amateur Radio, those channels include Internet-based channels and other Internet-based options, including social media, ScoutLink, IRC chat services, Skype, and more.

The JOTA-JOTI 2017 logo contest is about to start. Plans for 2017 include a simplified registration system.

According to the World JOTA-JOTI Report 2016, more than 1 million Scouters in 156 countries and at 33,000+ locations took part in JOTA-JOTI last fall.

[www.arrl.org/news/boy-scouts-announce-2017-jota-joti-theme](http://www.arrl.org/news/boy-scouts-announce-2017-jota-joti-theme)

## AMATEUR RADIO FROM A BRITISH PERSPECTIVE

**TX Factor** is a professionally produced program presented by radio amateurs in the United Kingdom for radio amateurs around the world.

One of the best amateur radio programs available today, it covers a wide array of interesting topics which makes it must-see TV for ham radio enthusiasts.

In the latest episode, Bob gives a relaxed overview of the RS-BA1 remote control software for the Icom IC-7300 HF Transceiver. (If you want to follow the RS-BA1 installation process more closely, see the second link at the end for the full version of Bob's item which is sponsored by Icom UK.)



We meet two youngsters with a passion for amateur radio.

And Mike and Bob head off to Bristol to spend a day with some very enthusiastic members of the British Amateur Television Club to learn all about digital amateur television.

The program is produced only a few times per year (only four shows were produced in 2016) but each one is a real gem.

[www.txfilms.co.uk/txfactor/index.html](http://www.txfilms.co.uk/txfactor/index.html)

RS-BA1 remote control software:

<https://www.youtube.com/watch?v=T0piSDzW3-g>

# ALLEN COUNTY AMATEUR RADIO TECHNICAL SOCIETY

## 2017 ACARTS VHF/UHF FM Simplex Contest

Saturday April 8, 2017, 7-10 PM EDT

Operate 2m, 1.25m, and 70cm --- FM Simplex Frequencies ONLY

Base - Portable - Rover Categories

Score Bonus Multipliers for Each Unique Township Contacted

**Click Here for the Complete Rules, a Log Sheet, and a Helpful Map of the Area Townships**

[www.acarts.com](http://www.acarts.com)

If you participate in the contest, take a photo and provide it to AB9ZD@ARRL.NET for use in next month's newsletter. Please provide a caption or other information about the photo as well.

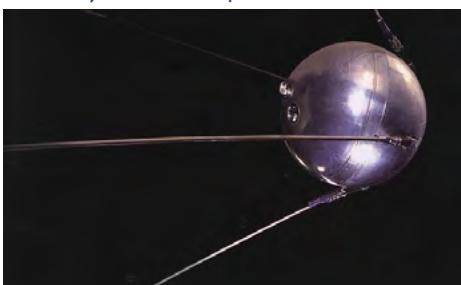
Good luck and have fun!

### WHERE WERE YOU ON OCTOBER 4, 1957?

Can you remember Sputnik's launch in 1957? If so, a Cambridge museum wants to hear from you. The USSR shocked the world by beating the Americans to sending a craft into space, with thousands of amateur radio operators listening in to its well-known beeps, and amateur astronomers taking to parks and gardens across the world to see if they could spot the satellite as it swept overhead.

If you remember satellite spotting in 1957, please get in touch with Charlotte at museum@spri.cam.ac.uk or write to her at The Polar Museum, Lensfield Road, Cambridge, England CB2 1ER.

<http://www.cambridge-news.co.uk/news/cambridge-news/can-you-remember-sputniks-launch-12786419>



### ICOM TO MAKE WEARABLE TECH

*Because if it's on the Internet, it has to be true!*



### STUDY FINDS ANOMALY WITH AMATEUR RADIO OPERATORS

Results from a study published by University of California Berkeley in The Journal of Psychology found that **amateur radio operators are 45% more likely than the general public to believe fake news articles or material with misleading or outright wrong claims.** "We tested over 15,000 adult subjects and recorded profiles of each person... the common attributes like age, race, ethnicity, etc. and

also their likes, dislikes, hobbies, diets, habits, etc. We discovered a strong and unexpected correlation with those claiming to be amateur or "ham" radio operators after running all of the data through an analysis using a recently developed Reverse Polish Bayesian algorithm. The unexpected data correlation continues to have the research team puzzled and further study is warranted."

# CONTEST CALENDAR

Here are a few of the contests that will be held in the next few weeks. Please refer to the contest web sites for full rules, scoring information, operating periods or time limits, and log submission information.

Some of the places on-line with information on contests include:

ARRL Contest Corral Web page [www.arrl.org/contests](http://www.arrl.org/contests)

ARRL's National Contest Journal [www.arrl.org/ncj](http://www.arrl.org/ncj)

ARRL Contest Update [www.arrl.org/contest-update-issues](http://www.arrl.org/contest-update-issues)

Contesting On-Line [www.contesting.com](http://www.contesting.com)

WA7BNM Contest Calendar [www.hornucopia.com/contestcal/](http://www.hornucopia.com/contestcal/)

DXNews <http://dxnews.com>

DX Zone Contesting [www.dxzone.com/catalog/Contesting/](http://www.dxzone.com/catalog/Contesting/)

ARRL Contest Calendar [www.arrl.org/contest-calendar](http://www.arrl.org/contest-calendar)

MISSISSIPPI QSO PARTY			MISSOURI QSO PARTY			NEW MEXICO QSO PARTY		
APRIL 1, 1400Z		APRIL 2, 0200Z	APRIL 1, 1400Z		APRIL 2, 0200Z	APRIL 8, 1400Z		APRIL 9, 0200Z
3.5-28	50+	PHONE, CW, DIGITAL	1.8-28	50+	PHONE, CW, DIGITAL	1.8-28	50	PHONE, CW, DIGITAL
RS(T), COUNTY OR SPC			RS(T), COUNTY OR SP OR "DX"			NAME, COUNTY OR SPC		
<a href="http://www.arrlmiss.org">www.arrlmiss.org</a>			<a href="http://www.w0ma.org">www.w0ma.org</a>			<a href="http://www.newmexicoqsoparty.org">www.newmexicoqsoparty.org</a>		
GEORGIA QSO PARTY			MICHIGAN QSO PARTY			NORTH DAKOTA QSO PARTY		
APRIL 8, 1800Z		APRIL 9, 2359Z	APRIL 15, 1600Z		APRIL 16, 0400Z	APRIL 15, 1800Z		APRIL 16, 1800Z
1.8-28	50	PHONE, CW, DIGITAL	3.5-28	-	PHONE, CW	1.8-28	50,144	PHONE, CW, DIGITAL
RST, COUNTY OR SPC			SERIAL, COUNTY OR SPC			RS(T), COUNTY OR SPC		
<a href="http://www.georgiaqsoparty.org/">www.georgiaqsoparty.org/</a>			<a href="http://www.miqp.org/Rules.htm">www.miqp.org/Rules.htm</a>			<a href="http://w0nd.com/">http://w0nd.com/</a>		
ARRL ROOKIE ROUND UP, SSB			NEBRASKA QSO PARTY			FLORIDA QSO PARTY		
APRIL 16, 1800Z		APRIL 16, 2359Z	APRIL 22, 1400Z		APRIL 23, 2300Z	APRIL 29, 1600Z		APRIL 30, 2159Z
3.5-28	50	PHONE	1.8-28	50+	PHONE, CW, DIGITAL	7-28	-	PHONE, CW
NAME, 2-DIGIT YEAR FIRST LICENSED, SPC			RS(T), COUNTY OR SPC			RS(T), COUNTY OR SPC		
<a href="http://www.arrl.org/rookie-roundup">www.arrl.org/rookie-roundup</a>			<a href="http://qcwa.org/chapter025.htm">http://qcwa.org/chapter025.htm</a>			<a href="http://floridaqsoparty.org/">http://floridaqsoparty.org/</a>		

ACARTS (W9INX) REPEATERS			FWRC (W9TE) REPEATERS			OTHER AREA REPEATERS			
Freq/Offset	Input Tone		Freq/Offset	Input Tone		Call	Freq/ Offset	Input Tone	
146.880 (-)	No tone	General use / Skywarn priority	146.760 (-)	No tone	General use (Note 1)	W9FEZ	145.330 (-)	No tone	Fort Wayne
147.255 (+)	No tone	General use	146.910 (-)	No tone	General use (Notes 1 and 4)	W9FEZ	224.780 (-)	No tone	Fort Wayne (Note 1)
443.800 (+)	No tone	General use	146.940 (-)	141.3 Hz required	General use (Notes 1 and 3)	W9FEZ	444.800 (+)	No tone	Fort Wayne (Note 1)
144.390 (s)	Digital	APRS - wide	444.875 (+)	141.3 Hz required	General use (Note 1)	K9MMQ	443.100 (+)	N/A	Fort Wayne, DMR
145.530 (s)	Digital	W9INX-1 Digipeater and Node	442.99375	D-STAR	General use (Note 2)	K9MMQ	443.275 (+)	141.3 Hz required	Fort Wayne
<b>Notes:</b>			<b>Notes:</b>			N9MTF	442.6375 (+)	N/A	Fort Wayne, DMR
<b>General Note:</b> Standard 0.6 MHz (2-meter), 1.6 MHz (1.25-meter) and 5.0 MHz (70-cm) frequency offsets are used for all repeaters unless otherwise indicated.			1. 141.3 Hz output tone present 2. Offset + 5.0 MHz, W9TE ____ B, W9TE ____ G 3. Yaesu System Fusion repeater, supports both FM (analog) and C4FM (digital) voice 4. EchoLink connection repeater Node number 519521			W9AVW	444.250 (+)	141.3 Hz required	Fort Wayne
Articles, photographs, and classified ads for publication in the Allen County HamNews should be emailed to the newsletter editor at <b>AB9ZD(at)ARRL.NET</b> several days before the first of the month. If you notice information that needs changed, please contact the newsletter editor by email.						W9OU	147.015 (+)	No tone	Auburn
The Allen County HamNews is prepared using Adobe's InDesign software along with PhotoShop and Acrobat on an i7 PC running Windows 10.						WC9AR	145.270 (-)	131.8 Hz required	Columbia City
						WC9AR	444.550 (+)	131.8 Hz required	Columbia City
						K9HC	146.685 (-)	141.3 Hz required	Huntington
						N9BCP	147.150 (+)	97.4 Hz required	Ligonier
			<b>Notes:</b>			1. 141.3 Hz output tone present			

# Membership Application for ACARTS OR FWRC

Name: \_\_\_\_\_ Call sign: \_\_\_\_\_ License class: \_\_\_\_\_

Street address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_\_ ZIP : \_\_\_\_\_ - \_\_\_\_\_ Phone #: (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ Unlisted?  Yes

Email address: \_\_\_\_\_ ARRL Member?  Yes

(ARRL membership helps your club maintain affiliation.)

May we list your name, call & email address in our membership roster and on our club web site?  Yes  No

Both clubs now offer this newsletter as a downloadable (Adobe Acrobat) PDF file, in lieu of a paper copy sent through the mail. For FWRC a mailed paper newsletter is a \$25.00/yr. premium.

How would you like your newsletter delivered?  by snail mail  download from web site.

## A.C.A.R.T.S. Dues

Regular membership	<input type="checkbox"/> \$12.00 / year
Additional family members <sup>1</sup>	<input type="checkbox"/> \$6.00 / year
Student membership <sup>2</sup>	<input type="checkbox"/> \$6.00 / year
Associate membership <sup>3</sup>	<input type="checkbox"/> \$6.00 / year

(New Regular memberships are \$1/month)

## Fort Wayne Radio Club Dues

Regular membership	<input type="checkbox"/> \$20.00 / year
Family membership <sup>1</sup>	<input type="checkbox"/> \$30.00 / year
Student membership <sup>2</sup>	<input type="checkbox"/> \$5.00 / year
Associate membership <sup>3</sup>	<input type="checkbox"/> \$20.00 / year
Mailed newsletter premium	<input type="checkbox"/> \$25.00 / year

(Memberships for Jul - Dec are 1/2 the stated amounts.)

1. Please list all names and calls on an attached sheet.

2. K-12 or full time student

3. Unlicensed member

Please attach a check (number \_\_\_\_\_) for the appropriate amount and bring to a club meeting or mail to:

ACARTS  
PO Box 10342  
Fort Wayne, IN 46851-0342

Fort Wayne Radio Club.  
PO Box 15127  
Fort Wayne, IN 46885-5127

For dual membership, send a check to each club for your respective membership. Payment by check is strongly encouraged!

## Classified Ads

Items for Sale

Want to Buy



If you have something you would like to have listed in the classified section then please send an email to the newsletter editor at AB9ZD(at)ARRL.NET.

## 13th Annual – North Central Indiana Hamfest

Saturday, April 22nd, 2017 8:00 AM to 1:00 PM (EST)

Miami County 4H Fairgrounds

1029 W. 200 North, Peru, IN

Hosted by the Cass County, Grant County, Miami County & Kokomo Amateur Radio Clubs

AREA NETS				
Daily		Tuesday		
8:00 AM	3.535	Daily (QIN) Indiana Section CW net	8:00 PM	
8:30 AM	3.940	Daily Indiana Traffic Net	50.580 USB	
6:00 PM	3.940	Daily Indiana Traffic Net		
6:30 PM	146.880-	IMO (alternate is 146.760)		
7:00 PM	147.015+	Tri State Two Meter Net		
8:00 PM	3.535	Daily (QIN) Indiana Section CW net		
Wednesday				
7:00 PM	146.760-	FWRC YL Net		
7:30 PM	147.150+	21 Repeater Group		
8:00 PM	145.270-	Whitley Co. ARES (131.8 PL disabled)		
9:00 PM	146.940-	Help and Swap Net		
Thursday				
8:30 AM	3.820	Little Red Barn Net		
Sunday				
8:00 PM	444.550+	Whitley Co. Sunday (131.8 PL)		
8:30 PM	1.965 & 146.910-	"No-Name" Net also on EchoLink Node number 519521		
9:00 PM	145.530	Northeast Indiana Packet Net (Note 2)		
Saturday				
8:00 PM	224.780-	Fort Wayne 224 Net		
Monday				
8:00 PM	146.685-	Huntington ARES		

1. All times local time. **Any changes or corrections should be submitted to the newsletter editor at AB9ZD (at) ARRL.NET.**

2. On 145.530 @ 1200 baud. Use unconnected converse mode to communicate for a roundtable net setting. Use your "UNPROTO" command or equivalent to set Digi path(s) through the strongest station(s) needed between you and your destination. Only use those that are necessary! Have all your "Monitor" settings on so you can see everyone.

3. 1st and 3rd Thursday, Reflector REFO24B.

4. Net starts using BPSK-31 and switches to BPSK-250 after roll call to pass traffic etc. NBEMS suite of software (FLDIGI, FLSMSG, and FLAMP) is preferred.

5. Indiana HF Traffic Nets Web Site: <http://www.inarrl.org/index.php/public-service/indiana-nts>

To:

## Activities Calendar



Date	Time	Event	Place
04/02/2017	1:30 PM	Foxhunt - River Greenway Trailhead/Cobin Memorial Park near Lakeside Golf Course	
04/11/2017	7:00 PM	FWRC Board Meeting	GSUMC
04/11/2017	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
04/18/2017	7:00 PM	ACARTS Spring Banquet	Don Hall's Guesthouse
04/21/2017	6:30 PM	FWRC Spring Banquet	GSUMC
05/02/2017	7:00 PM	FWRC Board Meeting	GSUMC
05/07/2017	1:30 PM	Foxhunt - River Greenway Trailhead/Cobin Memorial Park near Lakeside Golf Course	
05/09/2017	7:00 PM	ACARTS Board Meeting	Salvation Army Facility
05/12/2017	7:00 PM	FWRC General Meeting	GSUMC
05/16/2017	7:00 PM	ACARTS General Meeting	American Red Cross
11/18/2017		Fort Wayne Hamfest and Computer Expo	
11/19/2017		Fort Wayne Hamfest and Computer Expo	